

Work Order ID 75101

75101

Page 1

October-17-11 1:25:51 PM

Item ID: D2933-2

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Saddle RH In; 206

Stop *NS2*

Start Date: 17/10/2011 Start Qty: 6.00

6

Cust Item ID:

Required Date: 04/11/2011 Req'd Qty: 6.00

6

Customer:

Reference:

Approvals: Process Plan: M.L.J

Date: 11/10/11 Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D2933

Rev C

100

0.00

100

HAAS CNC VERTICAL MACHINING #1

HAAS I

Memo

0.00

HAAS CNC vertical machine #1

Program part number and batch number.1-Inspect part number and batch number are programmed correctly.2-Machine Step No 1 of Folio and visually inspect as per dwg D2933 & attached Dimension Sheet 3-Machine Step No 2 of Folio and visually inspect as per

110

0.00

110

CONVENTIONAL MILLING MACHINE

Mill Conv

Memo

0.00

Conventional Milling Machine

Machine Keyway and inspect per attached dimension sheet

120

QC1- Inspect dimensions to dimension sheet

0.00

120

QC

Memo

0.00

Quality Control

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

October-17-11 1:25:51 PM

Item ID: D2933-2 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Saddle RH In, 206
 Start Date: 17/10/2011 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 04/11/2011 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130	QC8- Inspect parts - second check	0.00							
130									
QC	Memo	0.00							
Quality Control									

140	Chemical Conversion Coat per QSI005 4.1	0.00							
140									
HandFinish	Memo	0.00							
Hand Finishing									

150	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum	0.00							
150									
Powdercoat	Memo	0.00							
Powder Coating									

START TIME: 2:50 FINISH TIME: 3:20 OVEN TEMPERATURE:

3200F

3:20

M11A480

6X4M-12/02/06

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 75101

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Page 3

October-17-11 1:25:51 PM

Item ID: D2933-2 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Saddle RH In, 206
 Start Date: 17/10/2011 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 04/11/2011 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160 *160* QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00							<u>6 BL 12-2-6</u>
170 *170* Packaging Packaging	Identify as per dwg & Stock Location: <u>428</u> Memo	0.00 0.00							<u>12/2/11 65101 (16)</u>
180 *180* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							<u>12/2/11 65101 (16)</u>

12/2/11 65101 (16)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries.

Picklist Print

October-17-11 1:25:55 PM

Page 1

Work Order ID: 75101

75101

Parent Item: D2933-2

D2933-2

Parent Item Name: Saddle RH In, 206

Start Date: 17/10/2011

Required Date: 04/11/2011

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP: B00.06.26New DWG rev (mpp 2069)EC
IPP Rev:C As per Rev C 07-03-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D6101-001

Manufactured No

100

Each

4.0000

1

6

D6101-001

h.a

12/02/02

Saddle Billet

Location

Loc Qty

Loc Code

MAT040

4

66965

1

69677

2

73768

1

→ 76158

6.0

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	75101
Description: 206 Saddle, Inboard, Right side		Part Number:	D2933-2
Inspection Dwg: D2933 Rev. C		Page 1 of 1	

Inspect dimensions highlighted on inspection sheet drawing D2933 Rev. C and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.100	0.140		.132	.132	.132	.132	RF	12/01/31
B	0.100	0.140		.132	.132	.132	.132		
C	0.100	0.140		.128	.129	.129	.128		
D	0.210	0.230		.225	.225	.225	.225		
E	1.245	1.255		1.250	1.250	1.250	1.250		
F	1.245	1.255		1.250	1.250	1.250	1.250		
G	2.495	2.505		2.500	2.500	2.500	2.500		
H	0.510	0.515		0.515	0.515	0.515	0.512		
I	1.572	1.582		1.577	1.577	1.577	1.577		
J	2.495	2.505		2.500	2.500	2.500	2.500		
K	0.257	0.262		.257	.257	.257	.257		
L	0.312	0.317		.313	.313	.313	.313		
M	0.235	0.240		0.237	0.237	0.237	0.237		
N	0.100	0.140		.125	.125	.125	.125		
O	0.540	0.560		.550	.550	.550	.550		
P	0.490	0.510		.501	.500	.500	.501		
Q	3.715	3.725		3.720	3.720	3.720	3.720		
R	2.470	2.510		2.495	2.495	2.495	2.495		
S	0.240	0.270		.255	.255	.255	.255		
T	0.100	0.180		.130	.130	.130	.130		
U	1.625	1.635		1.630	1.630	1.630	1.630		
V	1.362	1.372		1.367	1.367	1.367	1.367		
W	0.316	0.321		.316	.316	.316	.316		
X	1.125	1.145		1.135	1.135	1.135	1.135		
Y	1.565	1.585	DT8695 A/B	1.575	1.575	1.575	1.575		
Z	0.178	0.198		.188	.188	.188	.188		
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by:	RF
Date:	12/01/31

Audited by:	RF
Date:	12/02/05

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690 & DT8695 A/B	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order: 75101
Description: 206 Saddle, Inboard, Right side	Part Number: D2933-2
Inspection Dwg: D2933 Rev. C	Page 1 of 1

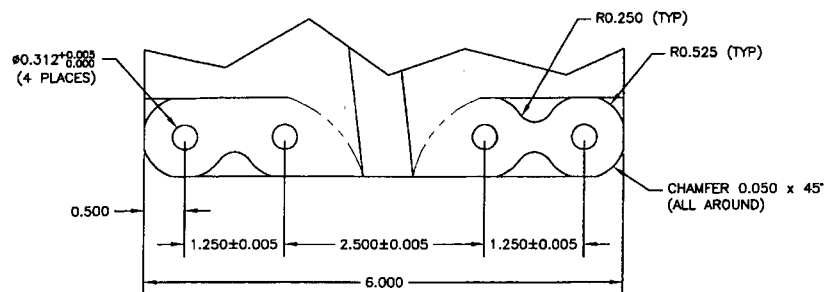
Inspect dimensions highlighted on inspection sheet drawing D2933 Rev. C and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				5	6	3	4		
A	0.100	0.140		.132	.132	.132	.132	RF	12/01/31
B	0.100	0.140		.132	.132	.132	.132	✓	
C	0.100	0.140		.128	.129	.129	.128	✓	
D	0.210	0.230		.225	.225				
E	1.245	1.255		1.250	1.250				
F	1.245	1.255		1.250	1.250				
G	2.495	2.505		2.500	2.500				
H	0.510	0.515		0.512	0.512				
I	1.572	1.582		1.577	1.577				
J	2.495	2.505		2.500	2.500				
K	0.257	0.262		.257	.257				
L	0.312	0.317		.313	.313				
M	0.235	0.240		0.237	0.237				
N	0.100	0.140		.125	.125				
O	0.540	0.560		.550	.550				
P	0.490	0.510		.500	.500				
Q	3.715	3.725		3.720	3.720				
R	2.470	2.510		2.495	2.495				
S	0.240	0.270		.255	.255				
T	0.100	0.180		.170	.170				
U	1.625	1.635		1.630	1.630				
V	1.362	1.372		1.367	1.367				
W	0.316	0.321		.316	.316				
X	1.125	1.145		1.135	1.135				
Y	1.565	1.585	DT8695 A/B	1.575	1.575				
Z	0.178	0.198		.198	.198				
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by: <i>RF</i>
Date: 12/01/31

Audited by: <i>RF</i>
Date: 12/02/05

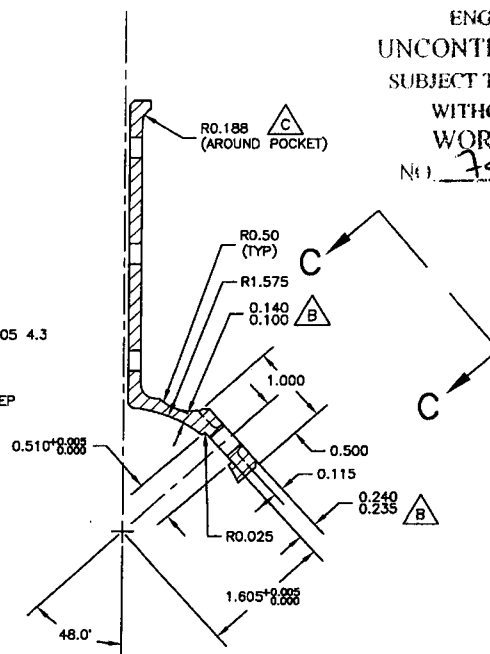
Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
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C	07.03.21	Revised per drawing revision C	KJ/JLM	<i>RF</i>



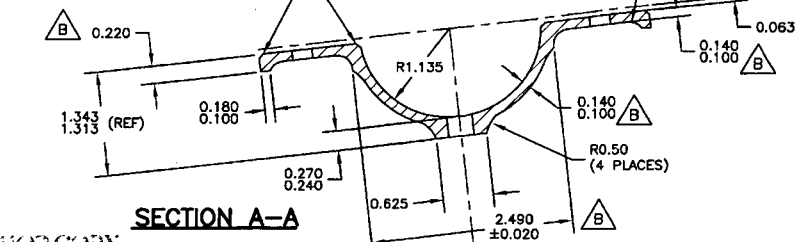
D2933-1 LH SADDLE (SHOWN)
D2933-2 RH SADDLE (OPPOSITE)

NOTES:

- 1) MATERIAL: ALUMINUM 7075-T7351 (QQ-A-250/12)
(MAKE FROM D6101-001 SADDLE BILLET, 7075)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
- 3) BREAK ALL SHARP EDGES 0.010 TO 0.020
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) ENGRAVE PART AND BATCH NUMBER IN THIS AREA 0.010 TO 0.015 DEEP

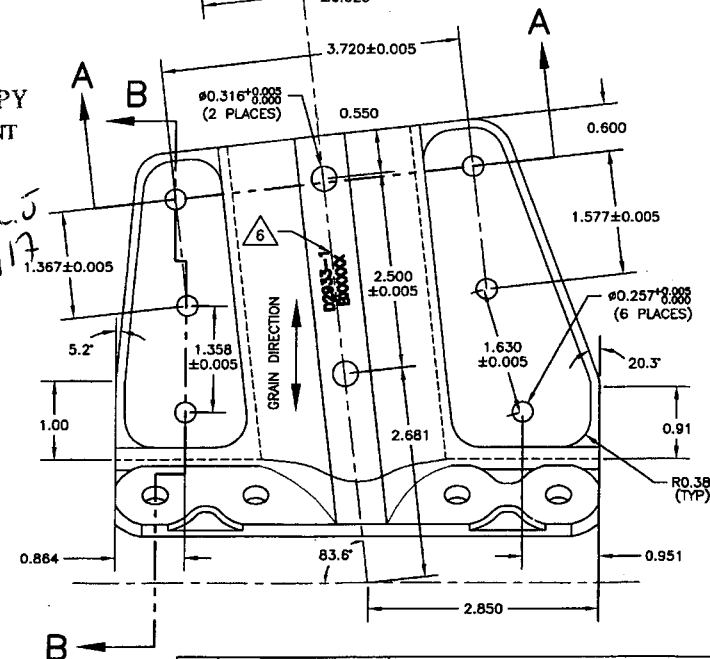


CHAMFER 0.050 x 45° AROUND
THIS SURFACE (TYP 2 PLACES)



SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER

75101 M.L.J
 1111017



C	06.11.09	R0.188 WAS R0.30 TO R0.25
B	00.05.29	CHANGED GEOMETRY AND MATERIAL
A	99.10.29	NEW ISSUE
DESIGN	4	DRAWN BY CB
CHECKED	PH	APPROVED
DATE	06.11.09	DRAWING NO. D2933
		TITLE SADDLE INSIDE
		REV. C SHEET 1 OF 1 SCALE 2:3

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 DART AEROSPACE USA, INC.

DART DART AEROSPACE USA, INC.
 BELLEVUE, WA

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries